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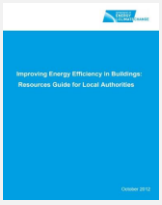
Energy Efficiency Tools related to
Residential buildings renovation (Article 4 of the EED)



Improving Energy Efficiency in Buildings: Resources Guide for Local Authorities, Ireland; is intended to act as a resource for local authority personnel who are involved in climate change mitigation in the built environment to support the planning and delivery of projects. The collection of resources supports local authorities as they prepare reports required by new guidance under the Home Energy Conservation Act on measures they propose to take to significantly improve the energy efficiency of residential accommodation in their areas. This document is designed to bring together and categorise tools, models, case studies, datasets, etc. which can be used and adapted at local levels to meet local authority needs.

DETAILED INFO: www.gov.uk

CERTuS, EU; the web portal integrates all the knowledge gained from the CERtus project in an easy-to-use tool that aims to facilitate the planning and preparation of nearly Zero Energy Building renovation projects for municipal buildings. One of the tools developed, Simplified Economic Evaluation Tool (CERtuS SE^2T) has been developed under the CERtuS Project with the expectation to become a friendly tool informative tool on financing issues, for building owners that wish to implement a deep energy renovation. CERtuS SE^2T' outputs could be used to facilitate the discussion between the building owners and investors, as it gives useful information on potential financing schemes.

DETAILED INFO: www.certus-project.eu/tools/

TABULA WebTool, EU; the TABULA WebTool has been developed within the framework of the Intelligent Energy Europe projects TABULA and EPISCOPE. The objective is to disseminate the general idea of national residential building typologies to building experts from European countries and to give them an understanding of the concrete implementation according to the TABULA concept: division of residential building stocks in size and age classes; data of exemplary buildings; data of exemplary heat supply systems; typical values for the energy consumption by energy carriers, etc.

DETAILED INFO: www.episcope.eu/building-typology/webtool/

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Green rating, Spain; this is a tool developed by WWF with the collaboration of the Ministry of Agriculture, Food and Environment and the Fundación Biodiversidad. Its use is aimed at estimating in a simplified way the energy consumption in the households. The objective of the collaboration is to contribute to boosting the market for energy rehabilitation of buildings and the promotion of renewable energies through distributed generation and self-consumption. This tool is targeted to the general public, uses a simplified approach to estimate the energy consumption and provides recommendations to save energy in households. Exemplary applications of the tool are not provided.

DETAILED INFO: http://www.bureauveritas.es/BqAzvGxP/01_ficha_GreenRating.pdf

GreenRating™
Sustainable value for your assets

Verduurzamingsmaatregelen bestaande scholen, Netherlands; publication contains a list of potential measures to increase the sustainability of school buildings. It includes measures aimed at, for example: changing behaviour, O&M, insulation, heating and cooling, lighting, etc. For each measure in the list there is information on its effects (energy use, air quality, temperature, noise, and light), the payback times, and whether it is an 'officially recognised measure for energy saving'.

DETAILED INFO: www.infomil.nl

Accelerating the renovation of the Bulgarian building stock, Bulgaria; in order to explore various policy options, a team of experts made use of the well-established Invert/EE-Lab model of the Vienna University of Technology. This was supported by further analysis and presentations of results on the characteristics of the building stock. The variables that were modelled are Future Energy Prices, Renovation levels, Subsidy Levels, Other factors (collectively, “Soft Measures”), and Co-Benefits. Internal Temperature. Based on numerous combinations of the exploited variables, 14 scenarios for renovation covering all types of residential building (individual houses and apartment blocks) were compiled and analysed.

DETAILED INFO: http://bpie.eu/publication/accelerating-the-renovation-of-the-bulgarian-building-stock/

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